

Title (en)

ELECTRONIC DEVICE AND CONTROL METHOD THEREOF

Title (de)

ELEKTRONISCHE VORRICHTUNG UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)

DISPOSITIF ÉLECTRONIQUE ET SON PROCÉDÉ DE COMMANDE

Publication

**EP 3821629 B1 20240103 (EN)**

Application

**EP 19891238 A 20191029**

Priority

- KR 20180150340 A 20181129
- KR 2019014374 W 20191029

Abstract (en)

[origin: US2020178067A1] Disclosed is an electronic device. The electronic device includes a communicator comprising communication circuitry and a processor, the processor is configured to control the communicator to perform communication with an external device based on identifying that a strength of a signal received from an external device is equal to or greater than a predetermined threshold value, and after converting an electronic device to a low power mode, based on identifying that a strength of a signal received from an external device being within a first range, to control the electronic device to perform a secure pairing operation.

IPC 8 full level

**H04W 12/08** (2021.01); **H04B 17/318** (2015.01); **H04L 9/00** (2022.01); **H04L 9/08** (2006.01); **H04M 1/72412** (2021.01); **H04W 4/80** (2018.01); **H04W 12/04** (2021.01); **H04W 12/50** (2021.01); **H04W 12/79** (2021.01); **H04W 52/02** (2009.01); **H04W 52/24** (2009.01); **H04W 88/02** (2009.01)

CPC (source: CN EP KR US)

**H04B 17/27** (2015.01 - US); **H04B 17/318** (2015.01 - EP KR); **H04L 9/001** (2013.01 - EP); **H04L 9/0866** (2013.01 - EP); **H04L 9/0875** (2013.01 - US); **H04L 63/0442** (2013.01 - US); **H04M 1/72412** (2021.01 - EP US); **H04W 4/023** (2013.01 - US); **H04W 4/80** (2018.01 - EP); **H04W 12/04** (2013.01 - CN KR); **H04W 12/043** (2021.01 - CN); **H04W 12/08** (2013.01 - KR); **H04W 12/50** (2021.01 - CN EP US); **H04W 12/79** (2021.01 - EP); **H04W 52/0216** (2013.01 - EP); **H04W 52/0245** (2013.01 - EP US); **H04W 52/0254** (2013.01 - EP); **H04W 52/028** (2013.01 - EP); **H04W 52/245** (2013.01 - EP); **H04W 88/02** (2013.01 - KR); **H04L 2209/80** (2013.01 - US); **H04W 4/70** (2018.01 - EP); **Y02D 30/70** (2020.08 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**US 11711697 B2 20230725**; **US 2020178067 A1 20200604**; CN 111246456 A 20200605; CN 111246456 B 20230919; EP 3821629 A1 20210519; EP 3821629 A4 20210915; EP 3821629 B1 20240103; EP 3821629 C0 20240103; KR 102613846 B1 20231215; KR 20200064331 A 20200608; WO 2020111531 A1 20200604

DOCDB simple family (application)

**US 201916668470 A 20191030**; CN 201911188731 A 20191127; EP 19891238 A 20191029; KR 20180150340 A 20181129; KR 2019014374 W 20191029